

FIG. 1.

10	20	30	40	50	60
GAA TTC CCG CTC TCC CGG CTT ACA GCC CGC GGT CCC GCC GCG GGG CCG CCA COT CTC					
70	80	90	100	110	120
CGG GGT CCC CCC AGT CCC CGC GCG CGC AAG ATC GGT GAC CGC GCT GCG GGG CCG CCG CCG					
			Met Ala Asp Pro Ala Ala Gly Pro Pro Pro		
130	140	150	160	170	180
ACC GAG GCG GAG GAG ACC ACC CTG CCG TTC GCG CGC AAA GCG CCC CTC CCG CAG AAG AAC					
Ser Glu Gly Glu Glu Ser Thr Val Arg Phe Ala Arg Lys Gly Pro Leu Arg Gln Lys Asn					
190	200	210	220	230	240
GTC CAG GAG GTC AAG AAC CAC AAA TTC ACC GCG CGC TTC TTC AAG CAG CCC ACC TTC TGC					
Val His Glu Val Lys Asn His Lys Phe Thr Ala Arg Phe Phe Lys Gln Pro Thr Phe Cys					
250	260	270	280	290	300
ACC CAG TCC ACC GAG TTC ATT TCG CGC TTC GCG AAG CAG GCA TTC CAG TGT CAA CTC TCC					
Ser His Cys Thr Asp Phe Ile Trp Gly Phe Gly Lys Gln Gly Phe Gln Cys Gln Val Cys					
310	320	330	340	350	360
TCC TTT GTT GTA CAC AAG CGC TCC CAT GAA TTC GTC ACC TTC TCC TCC CCT GGT GCA GAC					
Cys Phe Val Val His Lys Arg Cys His Glu Phe Val Thr Phe Ser Cys Pro Gly Ala Asp					
370	380	390	400	410	420
AAG CGC CGC GCG TCT CAT GAG CCA CGC ACC AAA CAC AAG TTT AAG ATC CAC ACC TAC TCC					
Lys Gly Pro Ala Ser Asp Asp Pro Arg Ser Lys His Lys Phe Lys Ile His Thr Tyr Ser					
430	440	450	460	470	480
ACC GGT ACC TTC TGT CAG CAC TGT GGA TCA CTG CTC TAT GCG CTC ATC CAC CAG GCG ATC					
Ser Pro Thr Phe Cys Asp His Cys Gly Ser Leu Leu Tyr Gly Leu Ile His Gln Gly Met					
490	500	510	520	530	540
AAA TCC GAC ACC TGT ATC ATC AAT CTC CAC AAG CGC TCC GTC ATG AAC GTC CCC ACC CTC					
Lys Cys Asp Thr Cys Met Met Asn Val His Lys Arg Cys Val Met Asn Val Pro Ser Leu					
550	560	570	580	590	600
TGT GCG ACC GAC CAC ACA GAA CGC CGT GCG CGC ATC TAC ATC CAG GCG CAC ATC GAC ACC					
Cys Gly Thr Asp His Thr Glu Arg Arg Gly Arg Ile Tyr Ile Gln Ala His Ile Asp Arg					

FIG. 1. CONT.

610	620	630	640	650	660
GAG GTC CTC ATC GTT GTT GTA AGA GAT GGT AAA AAT CTG GTA CCT ATC GAC CCC AAC GGC					
Glu Val Leu Ile Val Val Val Arg Asp Ala Lys Asn Leu Val Pro Met Asp Pro Asn Gly					
670	680	690	700	710	720
TTG TCA GAT CCC TAC GTA AAA CTG AAA CTG ATC CCT GAT CCC AAA AGT GAG ACC AAC CAG					
Leu Ser Asp Pro Tyr Val Lys Leu Lys Leu Ile Pro Asp Pro Lys Ser Glu Ser Lys Gln					
730	740	750	760	770	780
AAG ACC AAG ACT ATC AAA TCC TCC CTC AAG CCG GAG TCG AAC GAA ACC TTC AGA TTT CAG					
Lys Thr Lys Thr Ile Lys Cys Ser Leu Asn Pro Glu Trp Asn Glu Thr Phe Arg Phe Gln					
790	800	810	820	830	840
CTG AAG GAA TCA GAC AAA GAC AGA AAG CTG TCC GTA GAG ATC TCC GAT TCG GAC CTG ACC					
Leu Lys Glu Ser Asp Lys Asp Arg Arg Leu Ser Val Glu Ile Trp Asp Trp Asp Leu Thr					
850	860	870	880	890	900
ACC AAG AAT GAC TTC ATG GCA TCT CTG TCG TTT GCG ATT TCA GAA CTA CAG AAA GCC GCA					
Ser Arg Asn Asp Phe Met Gly Ser Leu Ser Phe Gly Ile Ser Glu Leu Gln Lys Ala Gly					
910	920	930	940	950	960
CTG GAT GGC TCG TTC AAG TTA CTA AGC CAG GAA GAA GGC GAG TAC TTT AAT GTC CCG CTC					
Val Asp Gly Trp Phe Lys Leu Leu Ser Gln Glu Glu Gly Glu Tyr Phe Asn Val Pro Val					
970	980	990	1000	1010	1020
CCG CCG GAA GAA AGC GAG GGC AAT GAA GAG CTG CCG CAG AAG TTT CAG AGA GCC AAG ATT					
Pro Pro Glu Glu Ser Glu Gly Asn Glu Glu Leu Arg Gln Lys Phe Glu Arg Ala Lys Ile					
1030	1040	1050	1060	1070	1080
CCG CAA GGT ACC AAG GGT CCA GAA GAA AAG ACA GCG AAC ACT ATA TCC AAA TTT GAC AAC					
Gly Glu Gly Thr Lys Ala Pro Glu Glu Lys Thr Ala Asn Thr Ile Ser Lys Phe Asp Asn					
1090	1100	1110	1120	1130	1140
AAT GGC AAC AGG GAC CCG ATG AAA CTG ACC GAT TTT AAC TTC CTG ATG CTG CTG GCG AAA					
Asn Gly Asn Arg Asp Arg Met Lys Leu Thr Asp Phe Asn Phe Leu Met Val Leu Gly Lys					
1150	1160	1170	1180	1190	1200
CCG ACC TTT CCG AAG CTC ATG CTC TCA GAG CCG AAC GGT ACA GAT GAA CTC TAT GCC CTG					

FIG. 1. CONT.

Gly Ser Phe Gly Lys Val Met Leu Ser Glu Arg Lys Gly Thr Asp Glu Leu Tyr Ala Val	1210	1220	1230	1240	1250	1260
AAG ATC CTC AAG AAA GAT CTC CTC ATC CAA GAT GAC GAT CTC GAG TCC ACA ATC CTC GAC						
Lys Ile Leu Lys Lys Asp Val Val Ile Gln Asp Asp Asp Val Glu Cys Thr Met Val Glu	1270	1280	1290	1300	1310	1320
AAG ACC CTC CTC GCG CTC CCT GCG AAG CCC CCA TTC CTC ACT CAG CTC CAT TCC TCC TTC						
Lys Arg Val Leu Ala Leu Pro Gly Lys Pro Pro Phe Leu Thr Gln Leu His Ser Cys Phe	1330	1340	1350	1360	1370	1380
CAG ACC ATC GAC CCC CTC TAC TTT CTC ATG GAG TAT CTC AAC GCG GCG GAC CTC ATC TAC						
Gln Thr Met Asp Arg Leu Tyr Phe Val Met Glu Tyr Val Asn Gly Gly Asp Leu Met Tyr	1390	1400	1410	1420	1430	1440
CAC ATC CAA CAA GTT GCG COT TTC AAG GAG CCC CAT GCT GTA TTT TAC GCT GCA GAG ATT						
His Ile Gln Gln Val Gly Arg Phe Lys Glu Pro His Ala Val Phe Tyr Ala Ala Glu Ile	1450	1460	1470	1480	1490	1500
GCG ATC COT CTT TTC TTC TTC CAG ACC AAG GCG ATC ATT TAC COT GAC CTC AAA CTT GAC						
Ala Ile Gly Leu Phe Phe Leu Gln Ser Lys Gly Ile Ile Tyr Arg Asp Leu Lys Leu Asp	1510	1520	1530	1540	1550	1560
AAG CTC ATC CTC GAT TCC CAG GCG CAC ATC AAA ATC GCT GAC TTT GCG ATC TGT AAA GAG						
Asn Val Met Leu Asp Ser Glu Gly His Ile Lys Ile Ala Asp Phe Gly Met Cys Lys Glu	1570	1580	1590	1600	1610	1620
AAT ATC TCG GAT GCG CTC ACA ACC AAG ACA TTC TGT GCG ACT CCA GAC TAC ATT GCG CCA						
Asn Ile Trp Asp Gly Val Thr Thr Lys Thr Phe Cys Gly Thr Pro Asp Tyr Ile Ala Pro	1630	1640	1650	1660	1670	1680
CAG ATC ATT GCT TAT CAG CCC TAC GGA AAG TCT CTC GAC TGG TGG GCG TTT GGA GTC CTC						
Glu Ile Ile Ala Tyr Gln Pro Tyr Gly Lys Ser Val Asp Trp Trp Ala Phe Gly Val Leu	1690	1700	1710	1720	1730	1740
CTC TAT CAA ATC TTC COT GCG CAG GCA CCT TTT CAA GCG GAG CAT GAG CAT CAA CTC TTC						
Leu Tyr Glu Met Leu Ala Gly Gln Ala Pro Phe Glu Gly Glu Asp Glu Asp Glu Leu Phe	1750	1760	1770	1780	1790	1800

FIG. 1. CONT.

CAG TCA ATC ATG GAG CAC AAC GTC GCG TAT CCC AAG TCC ATG TCT AAG GAA GGT GTG GCA					
Gln Ser Ile Met Glu His Asn Val Ala Tyr Pro Lys Ser Met Ser Lys Glu Ala Val Ala					
1810	1820	1830	1840	1850	1860
ATC TCC AAA GCG CTA ATG ACC AAA CAC CCA GGC AAG CGC CTC GGT TGT GCG CCT GAA GCG					
Ile Cys Lys Gly Leu Met Thr Lys His Pro Gly Lys Arg Leu Gly Cys Gly Pro Glu Gly					
1870	1880	1890	1900	1910	1920
GAA CCA GAC ATT AAG CAG CAT GCA TTT TTC CGG TAT ATC GAC TCG GAG AAA CTC GAA CGC					
Glu Arg Asp Ile Lys Glu His Ala Phe Phe Arg Tyr Ile Asp Thr Glu Lys Leu Glu Arg					
1930	1940	1950	1960	1970	1980
AAG GAG ATT CAG CCA CCT TAT AAA CCA AAA GGT AGA GAC AAG CGA GAC ACC TCC AAC TTC					
Lys Glu Ile Gln Pro Pro Lys Pro Lys Ala Arg Asp Lys Arg Asp Thr Ser Asn Phe					
1990	2000	2010	2020	2030	2040
GAC AAA GAG TTC ACC ACG CAG CCT GTG GAA CTG ACT CCC ACT GAC AAA CTC TTC ATC ATG					
Asp Lys Glu Phe Thr Arg Gln Pro Val Glu Leu Thr Pro Thr Asp Lys Leu Phe Ile Met					
2050	2060	2070	2080	2090	2100
AAC TTG CAC CAA AAT GAA TTT GCT GCG TTC TCG TAT ACT AAC CCA GAG TTT GTC ATT AAT					
Asn Leu Asp Gln Asn Glu Phe Ala Gly Phe Ser Tyr Thr Asn Pro Glu Phe Val Ile Asn					
2110	2120	2130	2140	2150	2160
GTC TAG GTC AAT GCA CAT TCC ATC GCT GAG CCT GTC TGT AAG GCT GCA GCG TGA ATC TCT					
Val ---					
2170	2180	2190	2200	2210	2220
ATT ATC AAT TCC AGT CTT CCA GCA TTC ATG GTC CCT CTC TTG GCA TCC GTC ATG TCG AGA					
2230	2240	2250	2260	2270	2280
GCT TGT CTT AGA GCG CTT TTC TTT GTA TGT ATA GCT TGC TAG TTT GTT TTC TAC ATT TCA					
2290	2300	2310	2320	2330	2340
AAA TGT TTA GTT TAG AAT AAG TGC ATT GCC CAC TGA TAG AGC TAC AAT TTT CCA GAC TTC					

FIG. 1. CONT.

2350	2360	2370	2380	2390	2400
CAG	AAA	CTC	ATC	CAA	TGA
ACC	AAC	ACT	GTC	AAA	ACT
TAA	CTG	TGT	CCG	ATA	CCA
AAA	TGC				
2410	2420	2430	2440	2450	2460
TTC	ACT	ATT	TGT	AAT	TTT
TAA	AGT	CAG	ATG	CTG	ATG
TTC	CTG	GTC	AAA	GTT	TTT
ACA	GTT				
2470	2480	2490	2500	2510	2520
ACT	CTC	CAA	TAT	CTC	CTT
TGA	ATG	CTA	CCT	AAC	CAT
GAC	CCG	TAT	TTT	TAA	AAC
TTG	TGA				
2530	2540	2550	2560	2570	2580
GTA	AGC	TTT	GCA	GTT	ACT
GTC	AAC	TCT	TGT	CTC	TTG
GAG	GAA	CTT	TTT	GTT	TAA
GAA	TTG				
2590	2600				
GTA	TGA	TTA	AAC	TGA	ATT
CT					

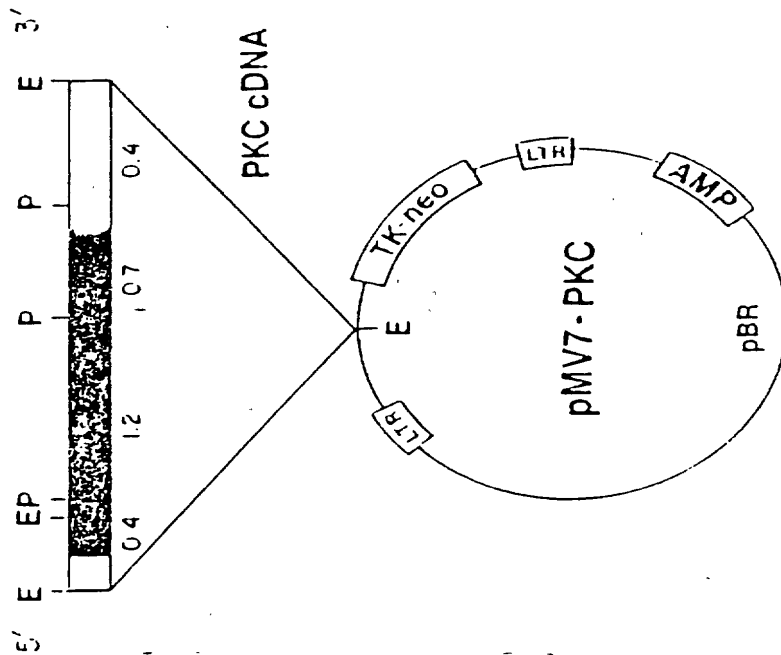


FIG. 1.
B.

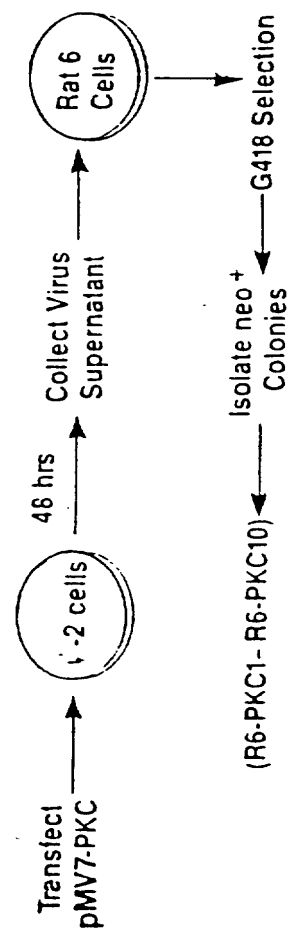


FIG. 1.
C.

FIG. 2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
R6-C1	R6-C2	R6-C3	R6-PKC1	R6-PKC2	R6-PKC3	R6-PKC4	R6-PKC5	R6-PKC6									

200—

97—

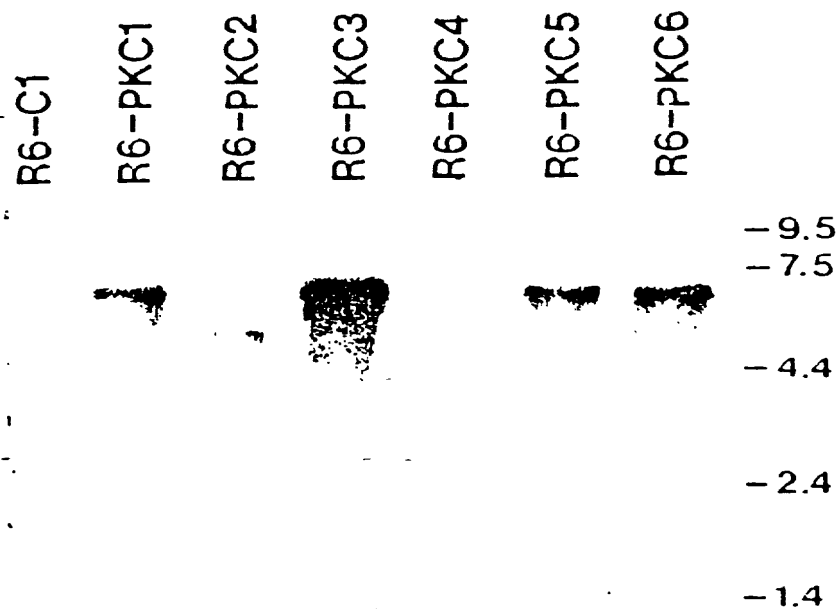
→

68—

43—

↓

FIG. 3



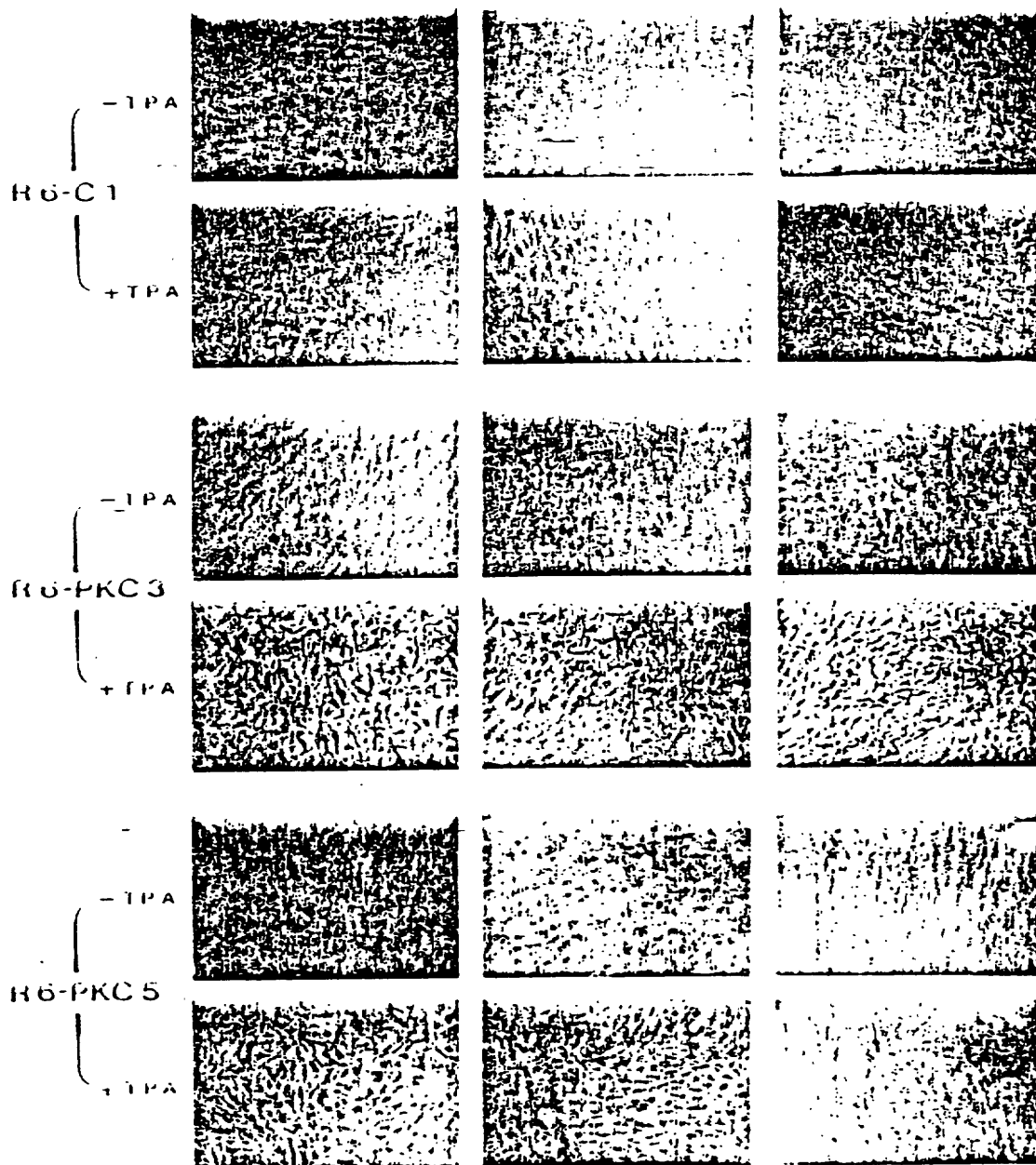


FIG. 4

FIG. 5.

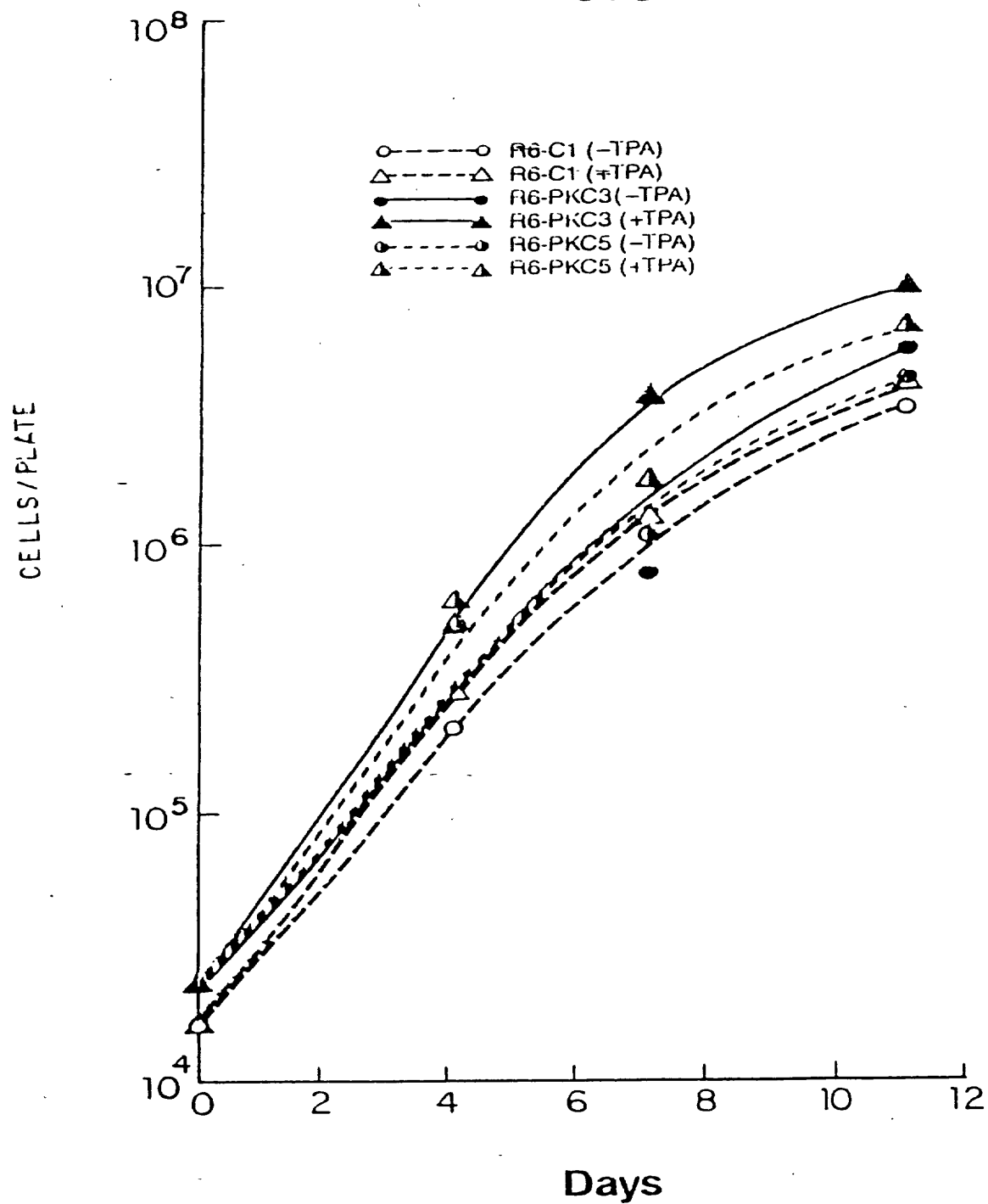


FIG. 6

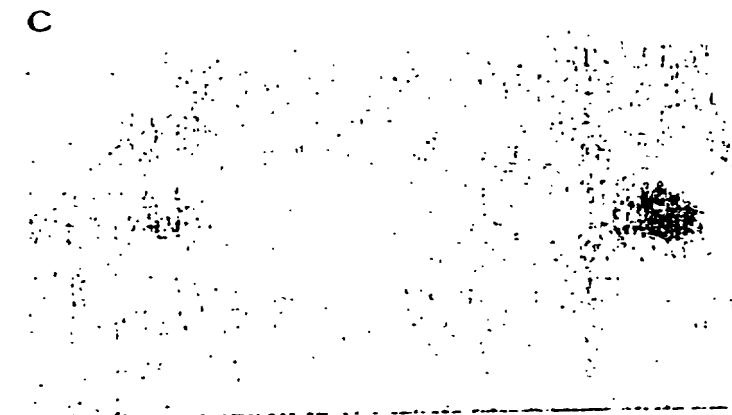
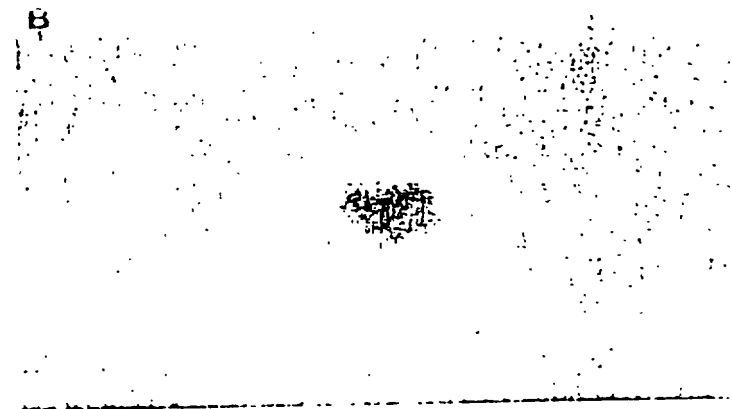
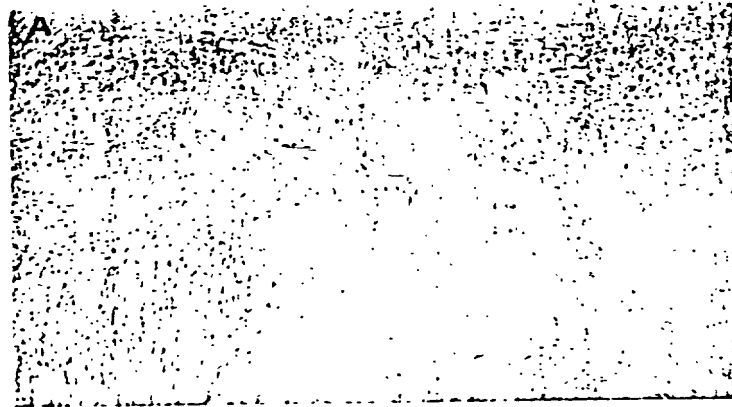


FIG. 7

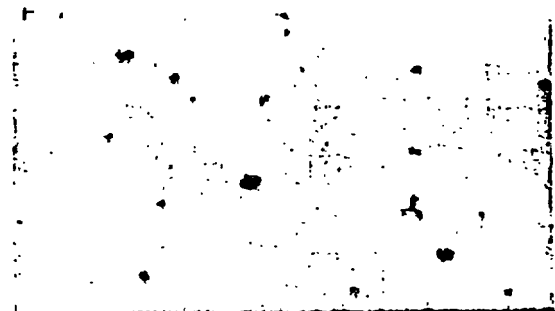
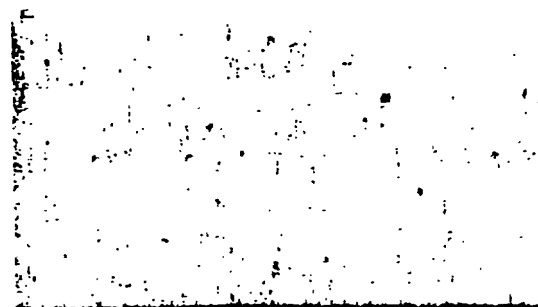
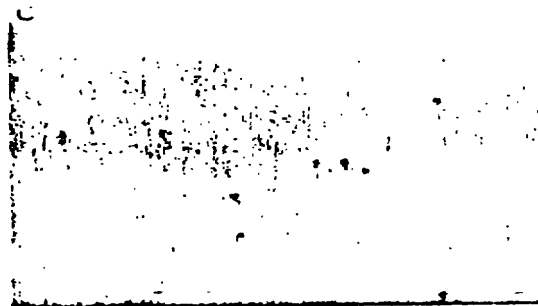
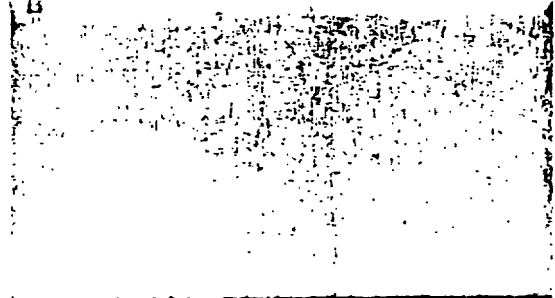
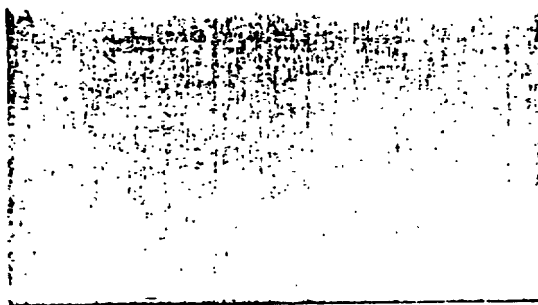


FIG. 1

10	20	30	40	50	60
GAA TTC CGC CTC TCC CGG CTT ACA GCC CGC GGT CCC GCC GCG GGG CCG CCA CCT CTC					
70	80	90	100	110	120
CGC GGT CCC CCC AGT CCC CGC GCG CGC AAG ATG GGT GAC CCG GCT GCG GGG CCG CCG CCG					
			Met Ala Asp Pro Ala Ala Gly Pro Pro Pro		
130	140	150	160	170	180
ACC GAC CGC GAG GAG ACC ACC CTG CCG TTC GCG CGC AAA CCG CCC CTC CCG CAG AAG AAC					
Ser Glu Gly Glu Glu Ser Thr Val Arg Phe Ala Arg Lys Gly Pro Leu Arg Gln Lys Asn					
190	200	210	220	230	240
GTC CAC GAG GTC AAG AAG CAC AAA TTC ACC GCG CCC TTC TTC AAG CAG CCC ACC TTC TCC					
Val His Glu Val Lys Asn His Lys Phe Thr Ala Arg Phe Phe Lys Gln Pro Thr Phe Cys					
250	260	270	280	290	300
ACC CAC TCC ACC GAC TTC ATT TCG CGC TTC GCG AAG CAG GCA TTC CAG TGT CAA CTC TCC					
Ser His Cys Thr Asp Phe Ile Trp Gly Phe Gly Lys Gln Gly Phe Gln Cys Gln Val Cys					
310	320	330	340	350	360
TCC TTT GTT GTA CAC AAG CCC TGC CAT GAA TTC GTC ACC TTC TCC TCC CCT GGT GCA GAC					
Cys Phe Val Val His Lys Arg Cys His Glu Phe Val Thr Phe Ser Cys Pro Gly Ala Asp					
370	380	390	400	410	420
AAG CGC CGC CCC TGT CAT GAC CCA CGC ACC AAA CAC AAG TTT AAG ATC CAC ACC TAC TCC					
Lys Gly Pro Ala Ser Asp Asp Pro Arg Ser Lys His Lys Phe Lys Ile His Thr Tyr Ser					
430	440	450	460	470	480
ACC CCT ACC TTC TGT CAC CAC TGT GCA TCA CTG CTG TAT CCG CTC ATC CAC CAG GGG ATC					
Ser Pro Thr Phe Cys Asp His Cys Gly Ser Leu Leu Tyr Gly Leu Ile His Gln Gly Met					
490	500	510	520	530	540
AAA TCC GAC ACC TGT ATG ATG AAT GTC CAC AAG CGC TGC CTG ATG AAC GTC CCC AGC CTC					
Lys Cys Asp Thr Cys Met Met Asn Val His Lys Arg Cys Val Met Asn Val Pro Ser Leu					
550	560	570	580	590	600
TGT GCG ACC GAC CAC ACA GAA CGC CCT GCG CGC ATC TAC ATC CAG GCC CAC ATC GAC AGC					
Cys Gly Thr Asp His Thr Glu Arg Arg Gly Arg Ile Tyr Ile Gln Ala His Ile Asp Arg					

FIG. 1. CONT.

610	620	630	640	650	660
GAG GTC CTC ATC GTT GTT GTA AGA GAT GGT AAA AAT CTG GTA CCT ATG GAC CCC AAC GGC					
Glu Val Leu Ile Val Val Val Arg Asp Ala Lys Asn Leu Val Pro Met Asp Pro Asn Gly					
670	680	690	700	710	720
TTG TCA GAT CCC TAC GTA AAA CTG AAA CTG ATC CCT GAT CCC AAA AGT GAG ACC AAC CAG					
Leu Ser Asp Pro Tyr Val Lys Leu Lys Leu Ile Pro Asp Pro Lys Ser Glu Ser Lys Gln					
730	740	750	760	770	780
AAG ACC AAG ACT ATC AAA TGC TCC CTC AAG CCG GAG TGG AAC GAA ACC TTC AGA TTT CAG					
Lys Thr Lys Thr Ile Lys Cys Ser Leu Asn Pro Glu Trp Asn Glu Thr Phe Arg Phe Gln					
790	800	810	820	830	840
CTG AAG GAA TCA GAC AAA GAC AGA AGA CTG TCC GTA GAG ATC TGG GAT TGG GAC CTG ACC					
Leu Lys Glu Ser Asp Lys Asp Arg Arg Leu Ser Val Glu Ile Trp Asp Trp Asp Leu Thr					
850	860	870	880	890	900
AGC AGG AAT GAC TTC ATG GCA TCT CTG TCC TTT GCG ATT TCA GAA CTA CAG AAA GGC GCA					
Ser Arg Asn Asp Phe Met Gly Ser Leu Ser Phe Gly Ile Ser Glu Leu Gln Lys Ala Gly					
910	920	930	940	950	960
GTC GAT GGC TGG TTC AAC TTA CTA AGC CAG GAA GAA GCG CAG TAC TTT AAT CTC CCG CTC					
Val Asp Gly Trp Phe Lys Leu Leu Ser Gln Glu Glu Gly Glu Tyr Phe Asn Val Pro Val					
970	980	990	1000	1010	1020
CCG CCG GAA GAA AGC GAG GGC AAT GAA CAG CTG CCG CAG AAG TTT CAG AGA GCG AAG ATT					
Pro Pro Glu Glu Ser Glu Gly Asn Glu Glu Leu Arg Gln Lys Phe Glu Arg Ala Lys Ile					
1030	1040	1050	1060	1070	1080
GCG CAA GGT ACC AAG GGT CCA GAA GAA AAG ACA GCG AAC ACT ATA TCC AAA TTT GAC AAC					
Gly Gln Gly Thr Lys Ala Pro Glu Glu Lys Thr Ala Asn Thr Ile Ser Lys Phe Asp Asn					
1090	1100	1110	1120	1130	1140
AAT GCG AAC AGG GAC CCG ATG AAA CTG ACC GAT TTT AAC TTC CTG ATG GTG CTG GCG AAA					
Asn Gly Asn Arg Asp Arg Met Lys Leu Thr Asp Phe Asn Phe Leu Met Val Leu Gly Lys					
1150	1160	1170	1180	1190	1200
GCG ACC TTT CCG AAG CTC ATG CTC TCA GAG CCG AAC GGT ACA GAT GAA CTC TAT GCG CTC					

FIG. 1. CONT.

Gly Ser Phe Gly Lys Val Met Leu Ser Glu Arg Lys Gly Thr Asp Glu Leu Tyr Ala Val	1210	1220	1230	1240	1250	1260
AAG ATC CTC AAG AAA CAT CTC CTC ATC CAA CAT GAC CAT CTC GAG TCC ACA ATG CTC GAC						
Lys Ile Leu Lys Lys Asp Val Val Ile Gln Asp Asp Asp Val Glu Cys Thr Met Val Glu	1270	1280	1290	1300	1310	1320
AAG ACC CTC CTC CCC CTC CCT GCG AAG CCC CCA TTC CTC ACT GAG CTC CAT TCC TCC TTC						
Lys Arg Val Leu Ala Leu Pro Gly Lys Pro Pro Phe Leu Thr Gln Leu His Ser Cys Phe	1330	1340	1350	1360	1370	1380
CAG ACC ATG GAC CCC CTC TAC TTT CTC ATG GAG TAT CTC AAC GGG GCG GAC CTC ATC TAC						
Gln Thr Met Asp Arg Leu Tyr Phe Val Met Glu Tyr Val Asn Gly Gly Asp Leu Met Tyr	1390	1400	1410	1420	1430	1440
CAC ATC CAA CAA CTT GCG CTT TTC AAG GAG CCC CAT GCT GTA TTT TAC GCT GCA GAG ATT						
His Ile Gln Gln Val Gly Arg Phe Lys Glu Pro His Ala Val Phe Tyr Ala Ala Glu Ile	1450	1460	1470	1480	1490	1500
CCC ATC CTT CTT TTC TTC CAG ACC AAG GCG ATC ATT TAC CTT GAC CTC AAA CTT GAC						
Ala Ile Gly Leu Phe Phe Leu Gln Ser Lys Gly Ile Ile Tyr Arg Asp Leu Lys Leu Asp	1510	1520	1530	1540	1550	1560
AAC CTC ATC CTC GAT TCC GAG GCG CAC ATC AAA ATC CCT GAC TTT GCG ATG TGT AAA GAG						
Asn Val Met Leu Asp Ser Glu Gly His Ile Lys Ile Ala Asp Phe Gly Met Cys Lys Glu	1570	1580	1590	1600	1610	1620
AAT ATC TGG CAT GCG CTC ACA ACC AAG ACA TTC TGT GCG ACT CCA GAC TAC ATT GCG CCA						
Asn Ile Trp Asp Gly Val Thr Thr Lys Thr Phe Cys Gly Thr Pro Asp Tyr Ile Ala Pro	1630	1640	1650	1660	1670	1680
CAG ATC ATT GCT TAT CAG CCC TAC GGA AAG TCT CTC GAC TGG TGG GCG TTT GGA CTC CTC						
Glu Ile Ile Ala Tyr Gln Pro Tyr Gly Lys Ser Val Asp Trp Trp Ala Phe Gly Val Leu	1690	1700	1710	1720	1730	1740
CTC TAT GAA ATG TTC CTT GCG CAG GCA CCT TTT GAA GCG CAG CAT GAG CAT GAA CTC TTC						
Leu Tyr Glu Met Leu Ala Gly Gln Ala Pro Phe Glu Gly Glu Asp Glu Asp Glu Leu Phe	1750	1760	1770	1780	1790	1800

FIG. 1. CONT.

CAG	TCA	ATC	ATC	GAG	CAC	AAC	CTC	GCG	TAT	CCC	AAG	TCC	ATC	TCT	AAG	GAA	GCT	CTC	GCA
Gln	Ser	Ile	Met	Glu	His	Asn	Val	Ala	Tyr	Pro	Lys	Ser	Met	Ser	Lys	Glu	Ala	Val	Ala
1810				1820				1830				1840			1850			1860	
ATC	TCC	AAA	GGG	CTA	ATG	ACC	AAA	CAC	CCA	GCG	AAG	CGC	CTC	GCT	TGT	GGG	GCT	GAA	GGG
Ile	Cys	Lys	Gly	Leu	Met	Thr	Lys	His	Pro	Gly	Lys	Arg	Leu	Gly	Cys	Gly	Phe	Glu	Gly
1870				1880				1890				1900			1910			1920	
GAA	CCA	CAC	ATT	AAG	CAG	CAT	GCA	TTT	TTC	CGG	TAT	ATC	GAC	TGG	GAG	AAA	CTC	GAA	CGC
Glu	Arg	Asp	Ile	Lys	Glu	His	Ala	Phe	Phe	Arg	Tyr	Ile	Asp	Trp	Glu	Lys	Leu	Glu	Arg
1930				1940				1950				1960			1970			1980	
AAG	GAG	ATT	CAG	CCA	CCT	TAT	AAA	CCA	AAA	GCT	AGA	GAC	AAG	CGA	GAC	ACC	TCC	AAC	TTC
Lys	Glu	Ile	Gln	Phe	Phe	Arg	Lys	Pro	Lys	Ala	Arg	Asp	Lys	Arg	Asp	Thr	Ser	Asn	Phe
1990				2000				2010				2020			2030			2040	
GAG	AAA	CAG	TTC	ACC	AGG	CAG	CCT	GTG	GAA	CTG	ACT	CCC	ACT	GAC	AAA	CTC	TTC	ATC	ATC
Asp	Lys	Glu	Phe	Thr	Arg	Gln	Pro	Val	Glu	Leu	Thr	Pro	Thr	Asp	Lys	Leu	Phe	Ile	Met
2050				2060				2070				2080			2090			2100	
AAC	TTC	CAC	CAA	AAT	GAA	TTT	GCT	GGC	TTC	TGG	TAT	ACT	AAC	CCA	GAG	TTT	CTC	ATT	AAT
Asn	Leu	Asp	Gln	Asn	Glu	Phe	Ala	Gly	Phe	Ser	Tyr	Thr	Asn	Pro	Glu	Phe	Val	Ile	Asn
2110				2120				2130				2140			2150			2160	
CTG	TAC	CTC	AAT	GCA	CAT	TCC	ATC	GCT	CAG	CCT	CTC	TGT	AAG	GCT	GCA	GCG	TGA	ATC	TCT
Val	---																		
2170				2180				2190				2200			2210			2220	
ATT	ATC	AAT	TCC	AGT	CTT	CCA	GCA	TTC	ATG	CTC	CCT	CTC	TTC	GCA	TCC	CTC	ATG	TGG	AGA
2230				2240				2250				2260			2270			2280	
GCT	TCT	CTT	AGA	GGG	CTT	TTC	TTT	GTA	TCT	ATA	GCT	TGC	TAG	TTT	CTT	TTC	TAC	ATT	TCA
2290				2300				2310				2320			2330			2340	
AAA	TCT	TTA	GTT	TAG	AAT	AAG	TGC	ATT	GCC	CAC	TGA	TAG	AGG	TAC	AAT	TTT	CCA	GAC	TTC

FIG. 1. CONT.

2350	2360	2370	2380	2390	2400
CAG	AAA	CTC	ATC	CAA	TGA
ACC	AAC	ACT	CTC	AAA	ACT
TAA	CTG	TGT	CCG	ATA	CCA
AAA	TGC				
2410	2420	2430	2440	2450	2460
TTC	ACT	ATT	TGT	AAT	TTT
TAA	ACT	CAG	ATG	CTG	ATG
TTC	CTG	CTC	AAA	GTT	TTT
ACA	GTT				
2470	2480	2490	2500	2510	2520
ACT	CTC	CAA	TAT	CTC	CTT
TGA	ATG	CTA	CCT	AAC	CAT
GAC	CGC	TAT	TTT	TAA	AAC
TTG	TGA				
2530	2540	2550	2560	2570	2580
CTA	AGC	TTT	GCA	GTT	ACT
CTG	AAC	TCT	TGT	CTC	TTG
GAC	GAA	CTT	TTT	CTT	TAA
GAA	TTG				
2590	2600				
CTA	TGA	TTA	AAC	TGA	ATT
CT					

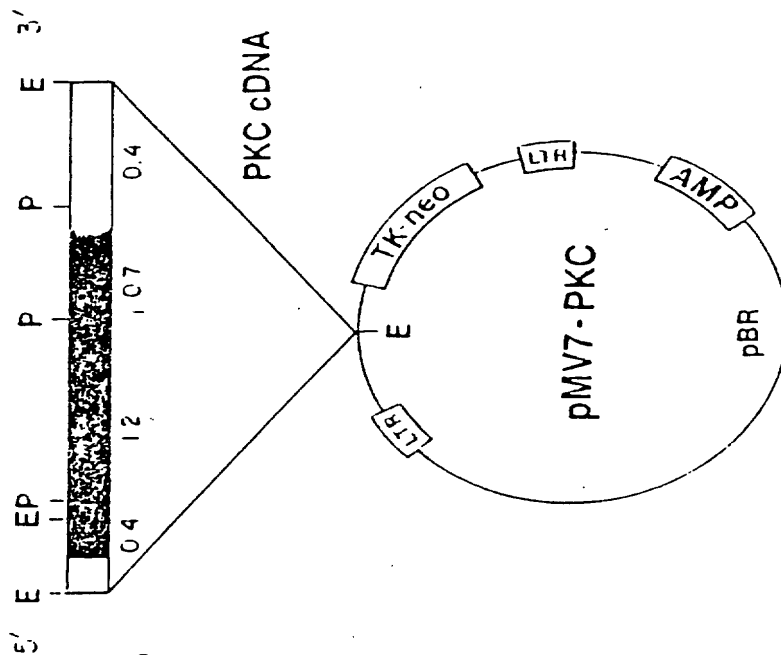


FIG. 1.
B.

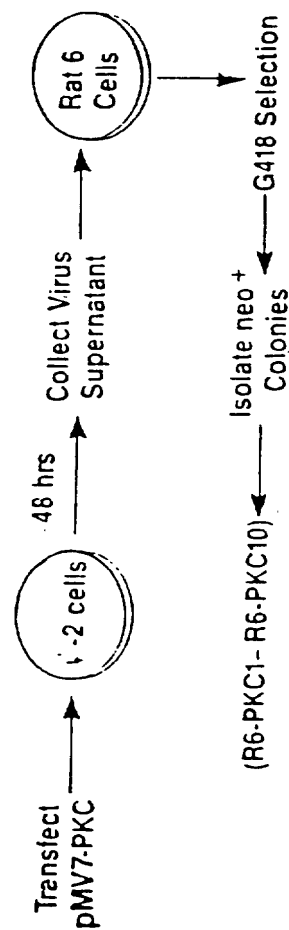


FIG. 1.
C.

1

FIG. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	R6-C1	R6-C2	R6-C3	R6-PKC1	R6-PKC2	R6-PKC3	R6-PKC4	R6-PKC5	R6-PKC6									

200—

97—

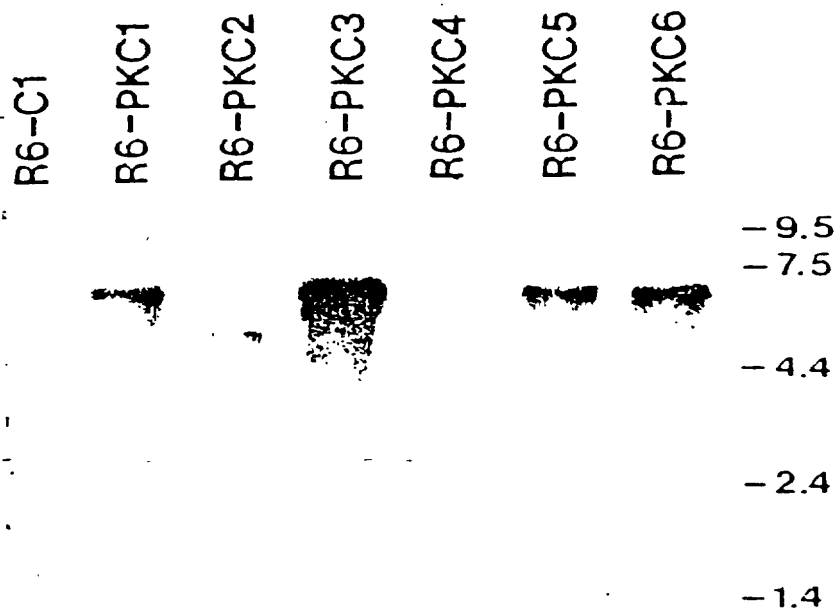
→

68—

43—

↓

FIG. 3



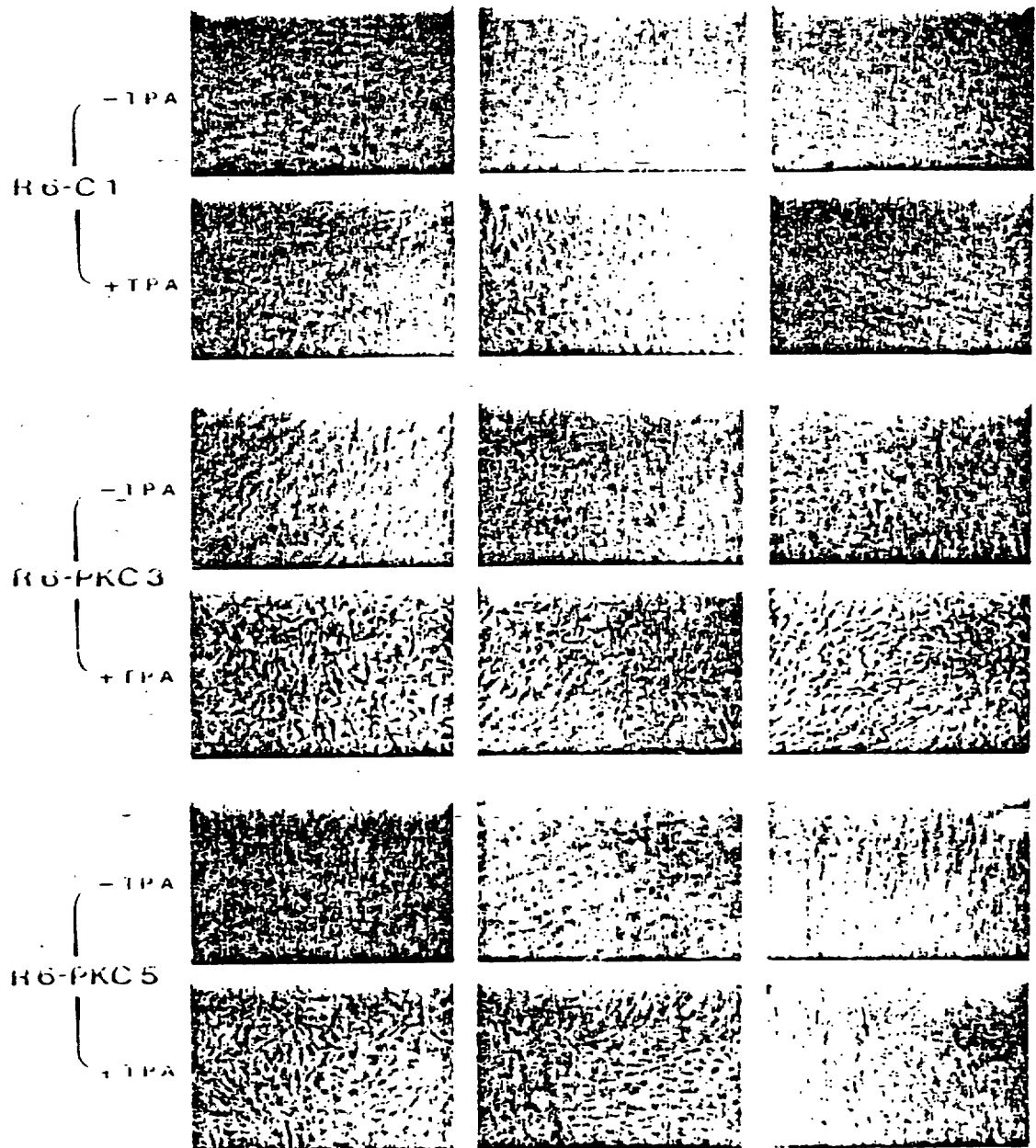


FIG. 4

FIG. 5.

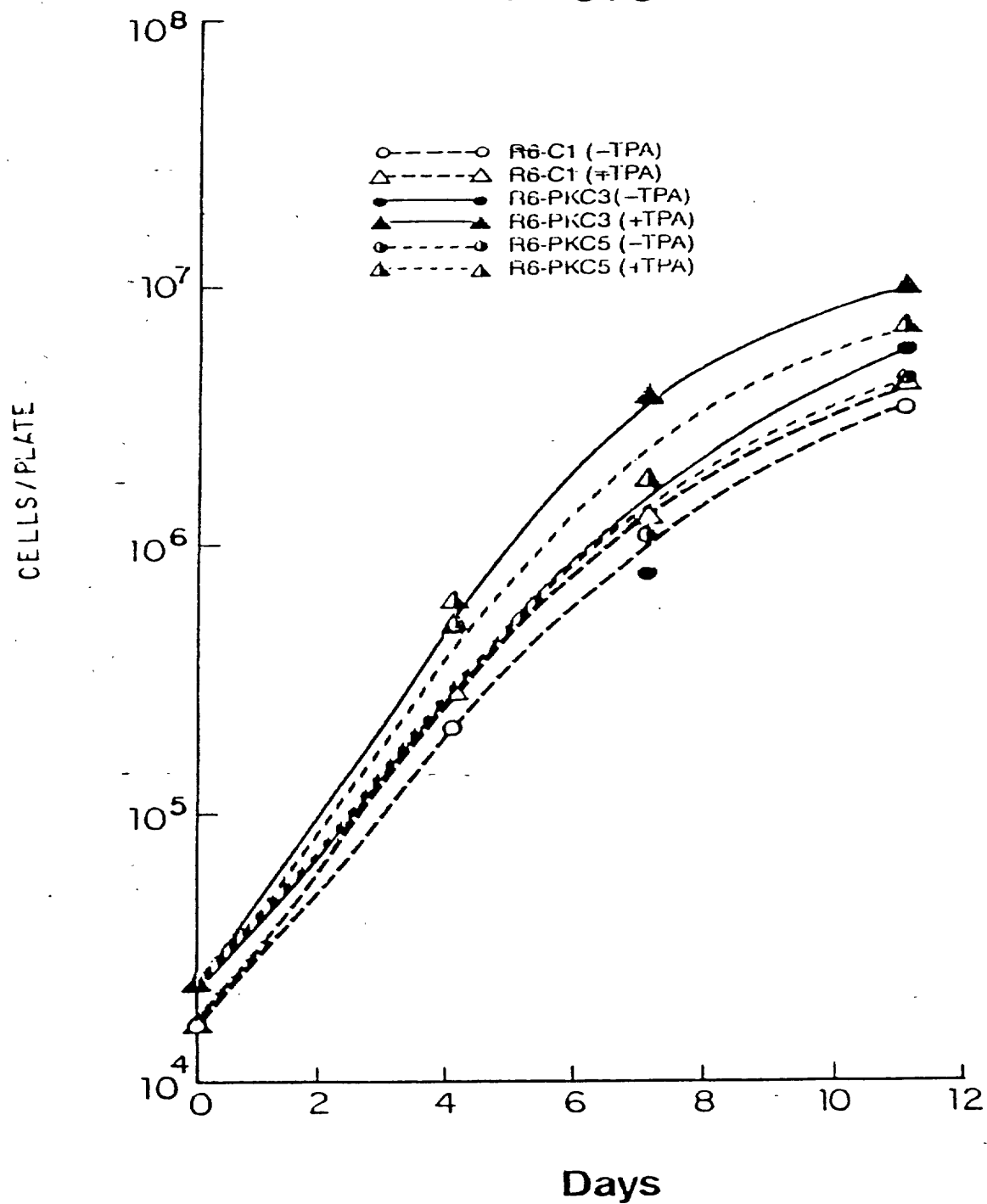


FIG. 6

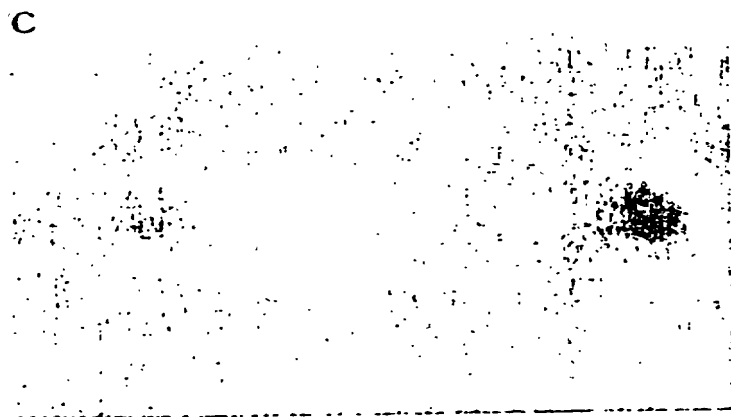
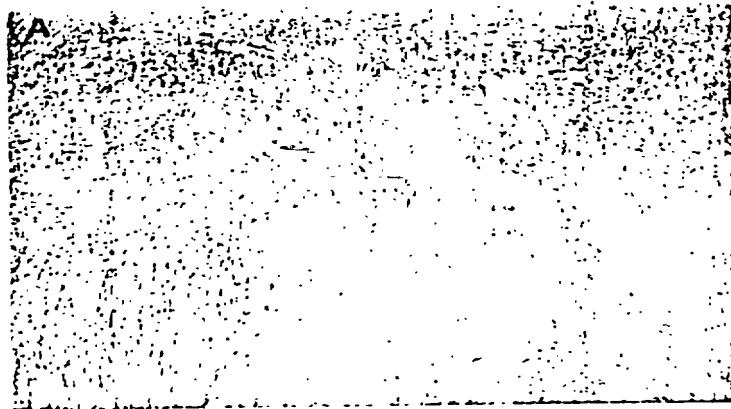


FIG. 7

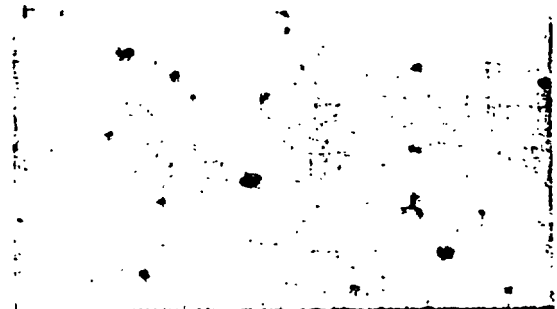
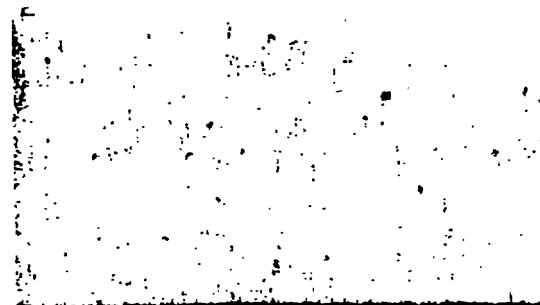
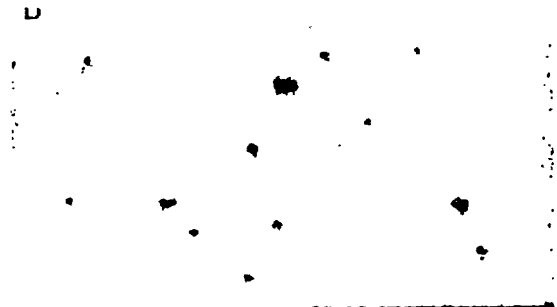
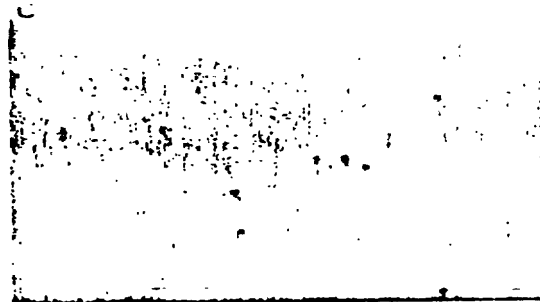
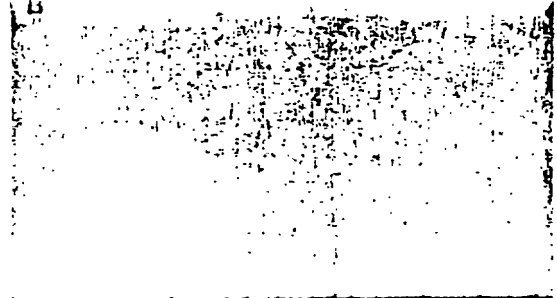
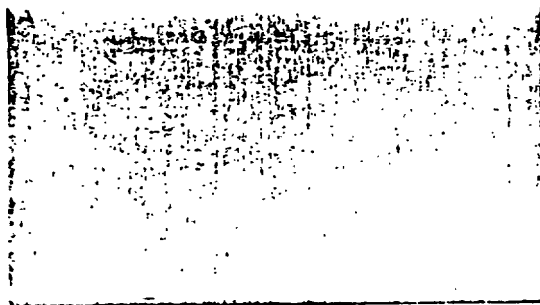


FIG. 1.

10	20	30	40	50	60
GAA TTC CGC CTC TCC CGG CTT ACA GCC CGC GGT CCC GCC GGC CCG GGG CCG CCA CCT CTC					
70	80	90	100	110	120
CGC GGT CCC CCC AGT CCC CGC CGC AAG ATC GCT GAC CCG GCT GCG GGG CCG CCG CCG					
		Met Ala Asp Pro Ala Ala Gly Pro Pro Pro			
130	140	150	160	170	180
ACC CAG GGC GAG GAG ACC ACC GTG CCC TTC GGC CGC AAA GGC CCC CTC CGG CAG AAG AAC					
Ser Glu Gly Glu Glu Ser Thr Val Arg Phe Ala Arg Lys Gly Pro Leu Arg Gln Lys Asn					
190	200	210	220	230	240
GTC CAC GAG GTG AAG AAC CAC AAA TTC ACC GGC CCC TTC TTC AAG CAG CCC ACC TTC TGC					
Val His Glu Val Lys Asn His Lys Phe Thr Ala Arg Phe Phe Lys Gln Pro Thr Phe Cys					
250	260	270	280	290	300
ACC CAC TCC ACC GAC TTC ATT TGG GGC TTC GGC AAG CAG GGA TTC CAG TGT CAA CTC TGC					
Ser His Cys Thr Asp Phe Ile Trp Gly Phe Gly Lys Gln Gly Phe Gln Cys Gln Val Cys					
310	320	330	340	350	360
TCC TTT GTT GTA CAC AAG CCC TCC CAT GAA TTC GTC ACC TTC TCC TGC CCT GGT GCA GAC					
Cys Phe Val Val His Lys Arg Cys His Glu Phe Val Thr Phe Ser Cys Pro Gly Ala Asp					
370	380	390	400	410	420
AAC GGC CGC GGC TGT CAT GAC CCA CGC ACC AAA CAC AAG TTT AAG ATC CAC ACC TAC TCC					
Lys Gly Pro Ala Ser Asp Asp Pro Arg Ser Lys His Lys Phe Lys Ile His Thr Tyr Ser					
430	440	450	460	470	480
ACC GGT ACC TTC TGT CAC CAC TGT GGA TCA CTG CTC TAT GGC CTC ATC CAC CAG GGC ATC					
Ser Pro Thr Phe Cys Asp His Cys Gly Ser Leu Leu Tyr Gly Leu Ile His Gln Gly Met					
490	500	510	520	530	540
AAA TCC CAC ACC TGT ATG ATC AAT CTC CAC AAG CGC TGC CTC ATG AAC GTC CCC AGC CTC					
Lys Cys Asp Thr Cys Met Met Asn Val His Lys Arg Cys Val Met Asn Val Pro Ser Leu					
550	560	570	580	590	600
TGT GGC ACC GAC CAC ACA GAA CGC GGT GGC CGC ATC TAC ATC CAG GCC CAC ATC GAC AGC					
Cys Gly Thr Asp His Thr Glu Arg Arg Gly Arg Ile Tyr Ile Gln Ala His Ile Asp Arg					

FIG. 1. CONT.

610	620	630	640	650	660
GAG CTC CTC ATC GTT GTT GTA AGA GAT GGT AAA AAT CTG GTA CCT ATG GAC CCC AAC GGC					
Glu Val Leu Ile Val Val Val Arg Asp Ala Lys Asn Leu Val Pro Met Asp Pro Asn Gly					
670	680	690	700	710	720
TTG TCA GAT CCC TAC GTA AAA CTG AAA CTG ATC CCT GAT CCC AAA AGT GAG ACC AAG CAG					
Leu Ser Asp Pro Tyr Val Lys Leu Lys Leu Ile Pro Asp Pro Lys Ser Glu Ser Lys Gln					
730	740	750	760	770	780
AAG ACC AAG ACT ATC AAA TCC TCC CTC AAC CCG GAG TGG AAC GAA ACC TTC AGA TTT CAG					
Lys Thr Lys Thr Ile Lys Cys Ser Leu Asn Pro Glu Trp Asn Glu Thr Phe Arg Phe Gln					
790	800	810	820	830	840
CTG AAG GAA TCA GAC AAA GAC AGA AUA CTG TCC GTA GAG ATC TGG GAT TGG GAC CTG ACC					
Leu Lys Glu Ser Asp Lys Asp Arg Arg Leu Ser Val Glu Ile Trp Asp Trp Asp Leu Thr					
850	860	870	880	890	900
AGC AGG AAT GAC TTC ATG GGA TCT CTG TCG TTT GCG ATT TCA GAA CTA CAG AAA GCC GGA					
Ser Arg Asn Asp Phe Met Gly Ser Leu Ser Phe Gly Ile Ser Glu Leu Gln Lys Ala Gly					
910	920	930	940	950	960
GTC GAT GGC TGG TTC AAG TTA CTA ACC CAG GAA GAA GGC CAG TAC TTT AAT CTC CCG CTC					
Val Asp Gly Trp Phe Lys Leu Leu Ser Gln Glu Glu Gly Glu Tyr Phe Asn Val Pro Val					
970	980	990	1000	1010	1020
CCG CCG GAA GAA AGC GAG GGC AAT GAA CAG CTG CCG CAG AAG TTT GAG AGA GCC AAG ATT					
Pro Pro Glu Glu Ser Glu Gly Asn Glu Glu Leu Arg Gln Lys Phe Glu Arg Ala Lys Ile					
1030	1040	1050	1060	1070	1080
CCC CAA GGT ACC AAG GGT CCA GAA GAA AAG ACA GCG AAC ACT ATA TCC AAA TTT GAC AAC					
Gly Gln Gly Thr Lys Ala Pro Glu Glu Lys Thr Ala Asn Thr Ile Ser Lys Phe Asp Asn					
1090	1100	1110	1120	1130	1140
AAT GGC AAC AGG GAC CCG ATG AAA CTG ACC GAT TTT AAC TTC CTG ATG GTG CTG GCG AAA					
Asn Gly Asn Arg Asp Arg Met Lys Leu Thr Asp Phe Asn Phe Leu Met Val Leu Gly Lys					
1150	1160	1170	1180	1190	1200
CCC AGC TTT GGC AAG GTC ATG CTC TCA GAG CCG AAC GGT ACA GAT GAA CTC TAT GCC CTG					

FIG. 1. CONT.

Gly Ser Phe Gly Lys Val Met Leu Ser Glu Arg Lys Gly Thr Asp Glu Leu Tyr Ala Val	1210	1220	1230	1240	1250	1260
AAG ATC CTC AAG AAA GAT CTG GTC ATC CAA GAT GAC GAT CTG CAG TCC ACA ATG GTC GAC						
Lys Ile Leu Lys Lys Asp Val Val Ile Gln Asp Asp Asp Val Glu Cys Thr Met Val Glu	1270	1280	1290	1300	1310	1320
AAG ACC CTC CTC GGC CTC CCT GGC AAG CCC CCA TTC CTC ACT CAG CTC CAT TCC TCC TTC						
Lys Arg Val Leu Ala Leu Pro Gly Lys Pro Pro Phe Leu Thr Gln Leu His Ser Cys Phe	1330	1340	1350	1360	1370	1380
CAG ACC ATG GAC CCC CTC TAC TTT CTC ATG GAG TAT CTC AAC GGC GGC GAC CTC ATG TAC						
Gln Thr Met Asp Arg Leu Tyr Phe Val Met Glu Tyr Val Asn Gly Gly Asp Leu Met Tyr	1390	1400	1410	1420	1430	1440
CAC ATC CAA CAA GTT GGC CCT TTC AAG CAG CCC CAT GCT GTA TTT TAC GCT GCA GAG ATT						
His Ile Gln Gln Val Gly Arg Phe Lys Glu Pro His Ala Val Phe Tyr Ala Ala Glu Ile	1450	1460	1470	1480	1490	1500
CCC ATC GGT CTT TTC TTC TTC CAG ACC AAG GGC ATC ATT TAC CTT GAC CTC AAA CTT GAC						
Ala Ile Gly Leu Phe Phe Leu Gln Ser Lys Gly Ile Ile Tyr Arg Asp Leu Lys Leu Asp	1510	1520	1530	1540	1550	1560
AAC CTC ATC CTC GAT TCC CAG GGC CAC ATC AAA ATC GCT GAC TTT GGC ATG TGT AAA GAG						
Asn Val Met Leu Asp Ser Glu Gly His Ile Lys Ile Ala Asp Phe Gly Met Cys Lys Glu	1570	1580	1590	1600	1610	1620
AAT ATC TGG GAT GGC CTC ACA ACC AAG ACA TTC TGT GGC ACT CCA GAC TAC ATT GCC CCA						
Asn Ile Trp Asp Gly Val Thr Thr Lys Thr Phe Cys Gly Thr Pro Asp Tyr Ile Ala Pro	1630	1640	1650	1660	1670	1680
CAG ATC ATT GCT TAT CAG CCC TAC CGA AAG TCT CTC GAC TCC TGG GGC TTT GGA GTC CTC						
Glu Ile Ile Ala Tyr Gln Pro Tyr Gly Lys Ser Val Asp Trp Trp Ala Phe Gly Val Leu	1690	1700	1710	1720	1730	1740
CTC TAT CAA ATG TTC GCT GGC CAG GCA CCT TTT CAA GGC GAG GAT GAG GAT GAA CTC TTC						
Leu Tyr Glu Met Leu Ala Gly Gln Ala Pro Phe Glu Gly Glu Asp Glu Asp Glu Leu Phe	1750	1760	1770	1780	1790	1800

FIG. 1. CONT.

CAG	TCA	ATC	ATC	GAG	CAC	AAC	GTC	GCG	TAT	CCC	AAG	TCC	ATG	TCT	AAG	GAA	GCT	GTG	GCA
Gln	Ser	Ile	Met	Glu	His	Asn	Val	Ala	Tyr	Pro	Lys	Ser	Met	Ser	Lys	Glu	Ala	Val	Ala
1810				1820				1830				1840			1850			1860	
ATC	TCC	AAA	GCG	CTA	ATG	ACC	AAA	CAC	CCA	GCG	AAG	CGC	CTG	GCT	TCT	GCG	CCT	GAA	GCG
Ile	Cys	Lys	Gly	Leu	Met	Thr	Lys	His	Pro	Gly	Lys	Arg	Leu	Gly	Cys	Gly	Pro	Glu	Gly
1870				1880				1890				1900			1910			1920	
GAA	CCA	CAC	ATT	AAG	CAG	CAT	GCA	TTT	TTC	CGG	TAT	ATC	GAC	TGG	GAG	AAA	CTC	GAA	GCG
Glu	Arg	Asp	Ile	Lys	Glu	His	Ala	Phe	Phe	Arg	Tyr	Ile	Asp	Trp	Glu	Lys	Leu	Glu	Arg
1930				1940				1950				1960			1970			1980	
AAG	GAG	ATT	CAG	CCA	CCT	TAT	AAA	CCA	AAA	GCT	AGA	GAC	AAG	CGA	CAC	ACC	TCC	AAC	TTC
Lys	Glu	Ile	Gln	Phe	Phe	Tyr	Lys	Pro	Lys	Ala	Arg	Asp	Lys	Arg	Asp	Thr	Ser	Asn	Phe
1990				2000				2010				2020			2030			2040	
GAC	AAA	GAG	TTC	ACC	AGC	CAG	CCT	GTG	GAA	CTG	ACT	CCC	ACT	GAC	AAA	CTC	TTC	ATC	ATC
Asp	Lys	Glu	Phe	Thr	Arg	Gln	Pro	Val	Glu	Leu	Thr	Pro	Thr	Asp	Lys	Leu	Phe	Ile	Met
2050				2060				2070				2080			2090			2100	
AAC	TTC	CAC	CAA	AAT	CAA	TTT	GCT	GCG	TTC	TGG	TAT	ACT	AAC	CCA	GAG	TTT	GTG	ATT	AAT
Asn	Leu	Asp	Gln	Asn	Glu	Phe	Ala	Gly	Phe	Ser	Tyr	Thr	Asn	Pro	Glu	Phe	Val	Ile	Asn
2110				2120				2130				2140			2150			2160	
CTG	TAC	GTG	AAT	GCA	CAT	TCC	ATC	GCT	GAG	CCT	GTG	TGT	AAG	GCT	GCA	GCG	TGA	ATC	TCT
Val	---																		
2170				2180				2190				2200			2210			2220	
ATT	ATC	AAT	TCC	AGT	CTT	CCA	GGA	TTC	ATG	GTG	CCT	CTG	TTG	GCA	TCC	GTG	ATG	TGG	AGA
2230				2240				2250				2260			2270			2280	
GCT	TCT	CTT	AGA	GCG	CTT	TTC	TTT	GTA	TGT	ATA	GCT	TGC	TAG	TTT	GTT	TTC	TAC	ATT	TCA
2290				2300				2310				2320			2330			2340	
AAA	TCT	TTA	GTT	TAG	AAT	AAG	TGC	ATT	GCC	CAC	TGA	TAG	AGG	TAC	AAT	TTT	CCA	GAC	TTC

FIG. 1. CONT.

2350	2360	2370	2380	2390	2400
CAG	AAA	CTC	ATC	CAA	TGA
ACC	AAC	ACT	GTC	AAA	ACT
TAA	CTG	TGT	CCG	ATA	CCA
AAA	TGC				
2410	2420	2430	2440	2450	2460
TTC	ACT	ATT	TGT	AAT	TTT
TAA	AGT	CAG	ATG	CTG	ATG
TTC	CTG	GTC	AAA	GTT	TTT
ACA	GTT				
2470	2480	2490	2500	2510	2520
ACT	CTC	CAA	TAT	CTC	CTT
TGA	ATG	CTA	CCT	AAC	CAT
GAC	CCG	TAT	TTT	TAA	AAG
TTG	TGA				
2530	2540	2550	2560	2570	2580
CTA	AGC	TTT	GCA	GTT	ACT
GTC	AAC	TCT	TGT	CTC	TTG
GAG	GAA	CTT	TTT	CTT	TAA
GAA	TTG				
2590	2600				
CTA	TGA	TTA	AAC	TGA	ATT
CT					

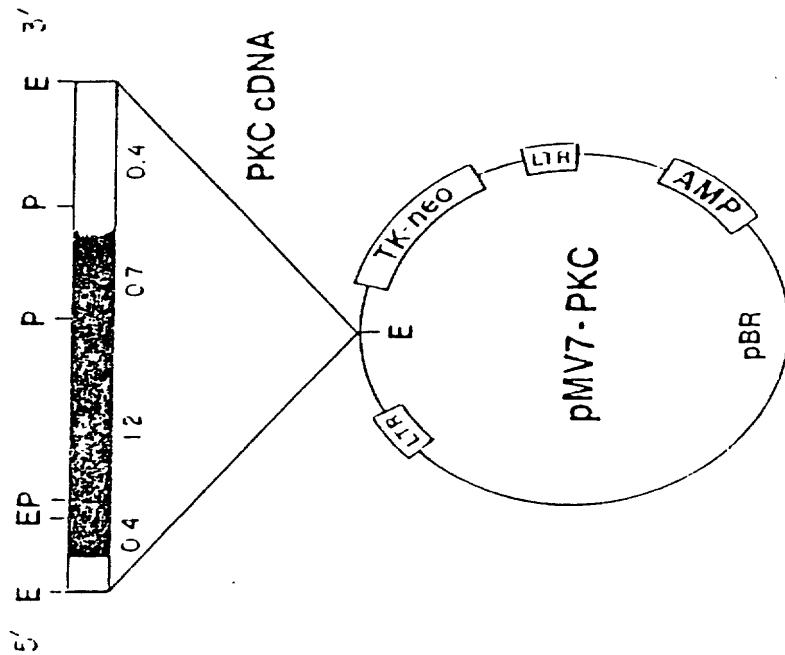


FIG. 1.
B.

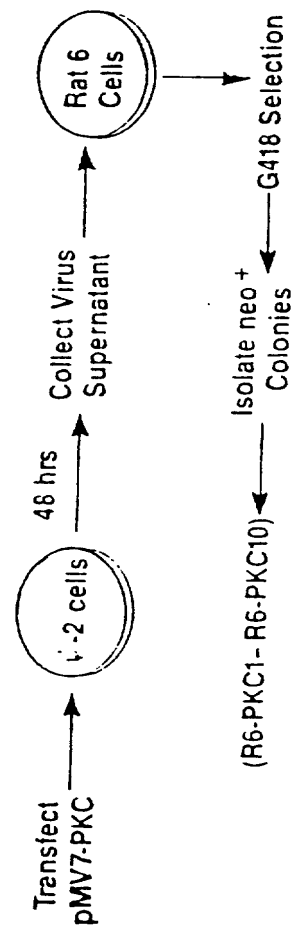


FIG. 1C.

000000000000

FIG. 2

R6-C1	R6-C2	R6-C3	R6-PKC1	R6-PKC2	R6-PKC3	R6-PKC4	R6-PKC5	R6-PKC6									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

200—

97—

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68—

43—

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1B 506 153 505

Sheet 7



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sheet 8

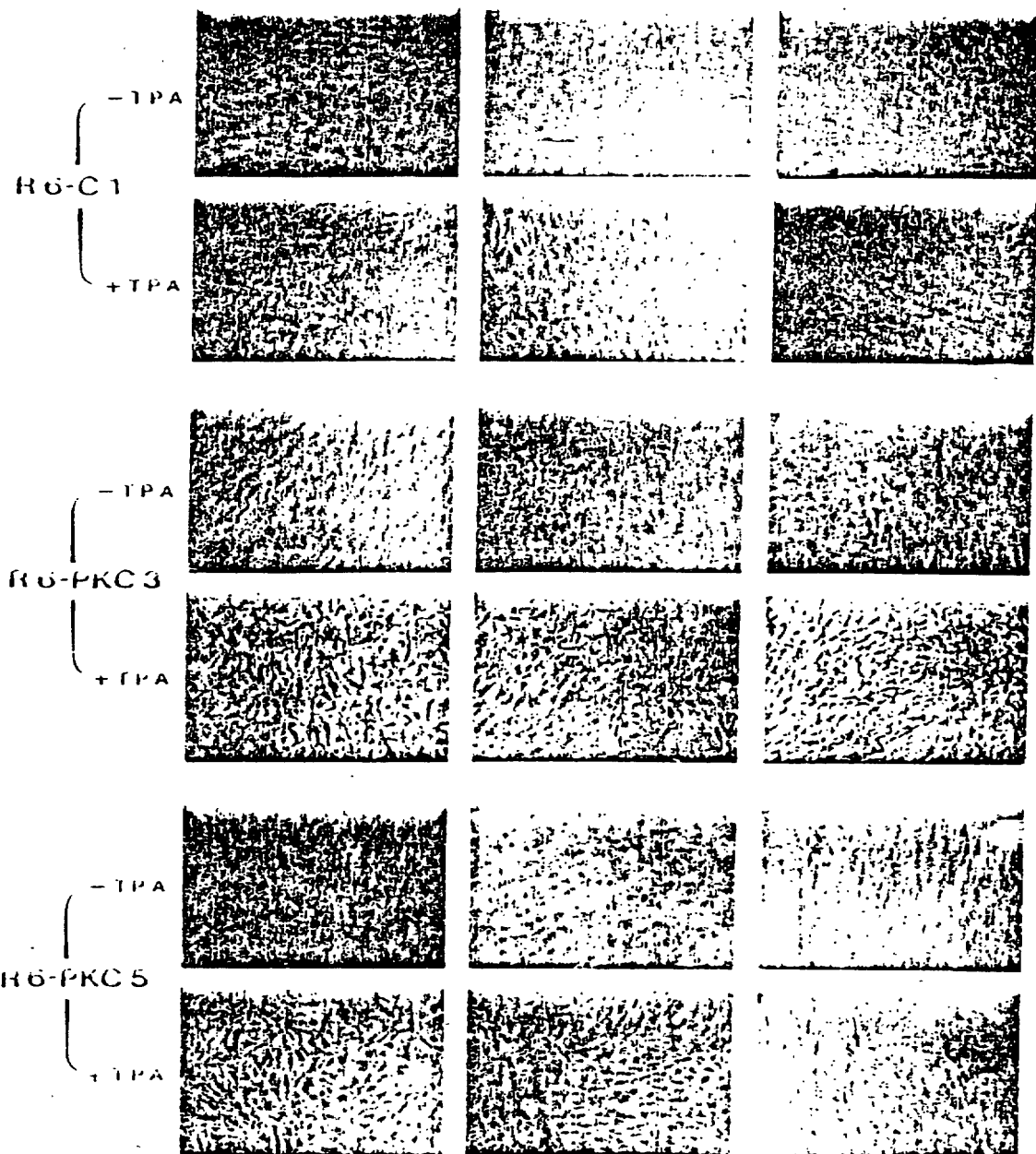


FIG. 4

FIG. 5.

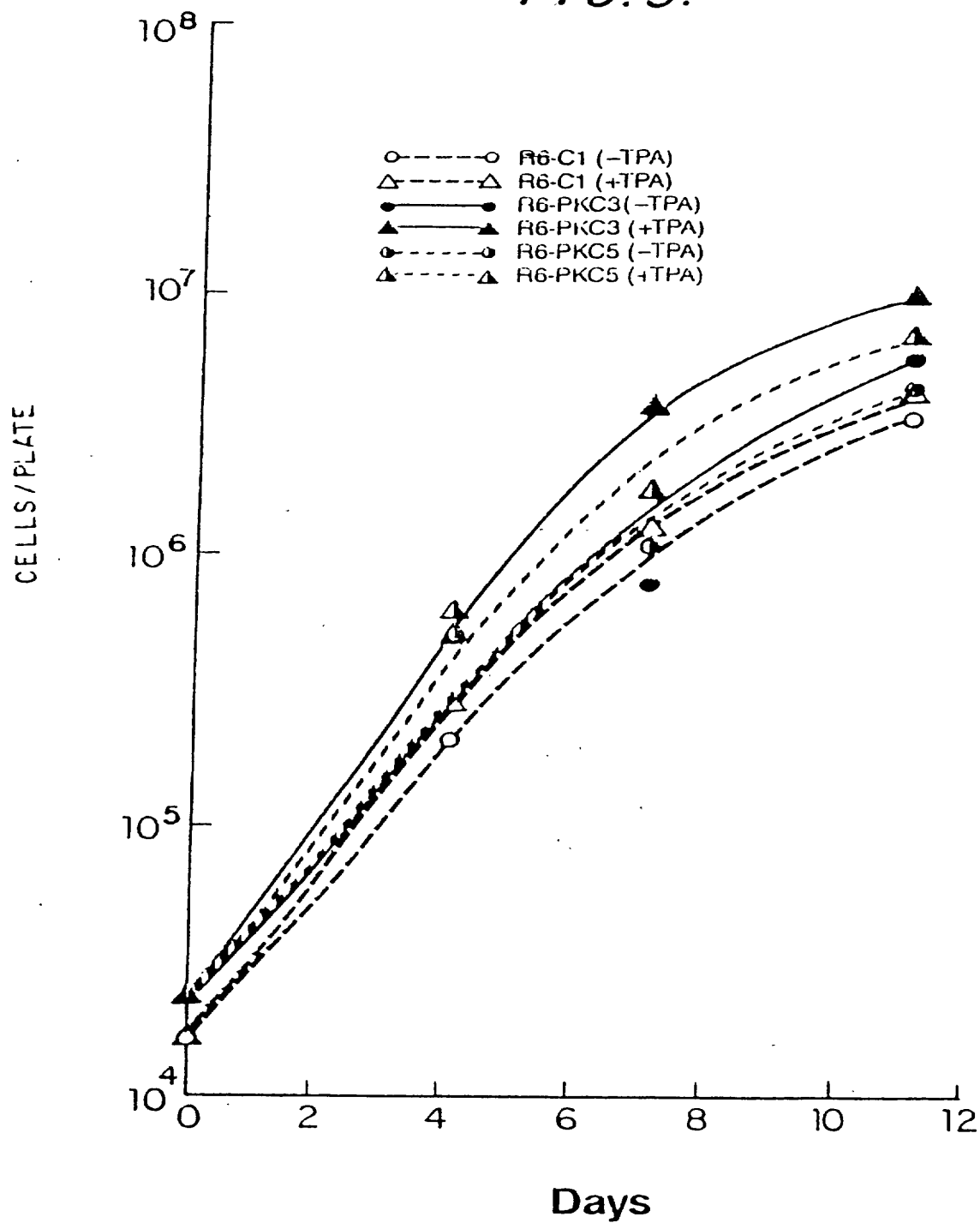


FIG. 6

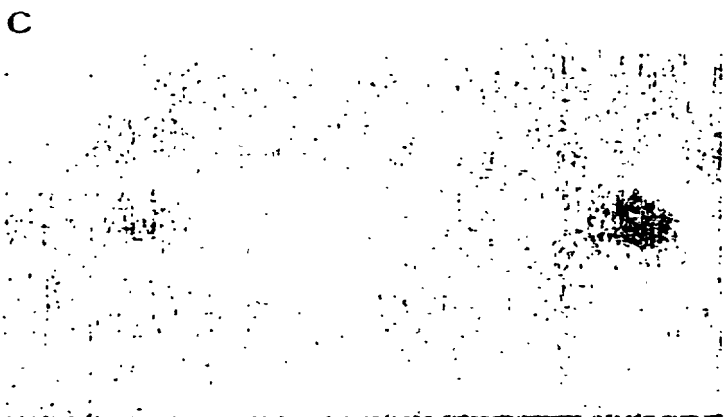
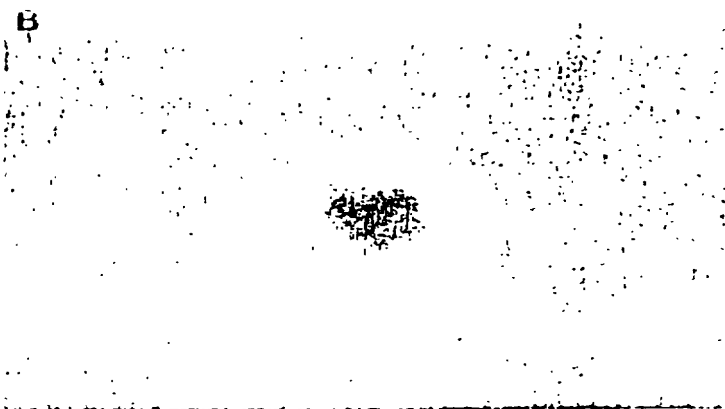
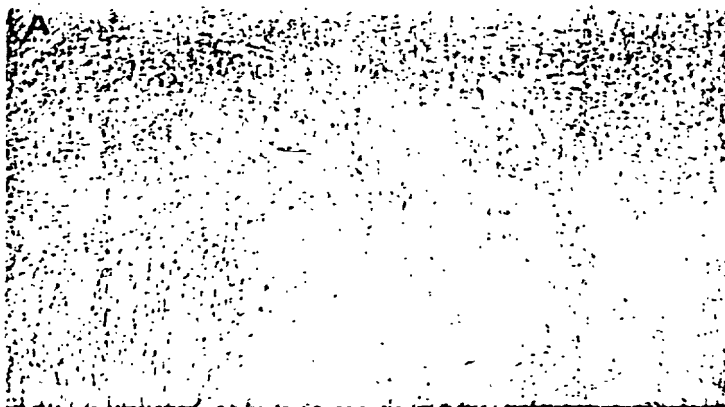
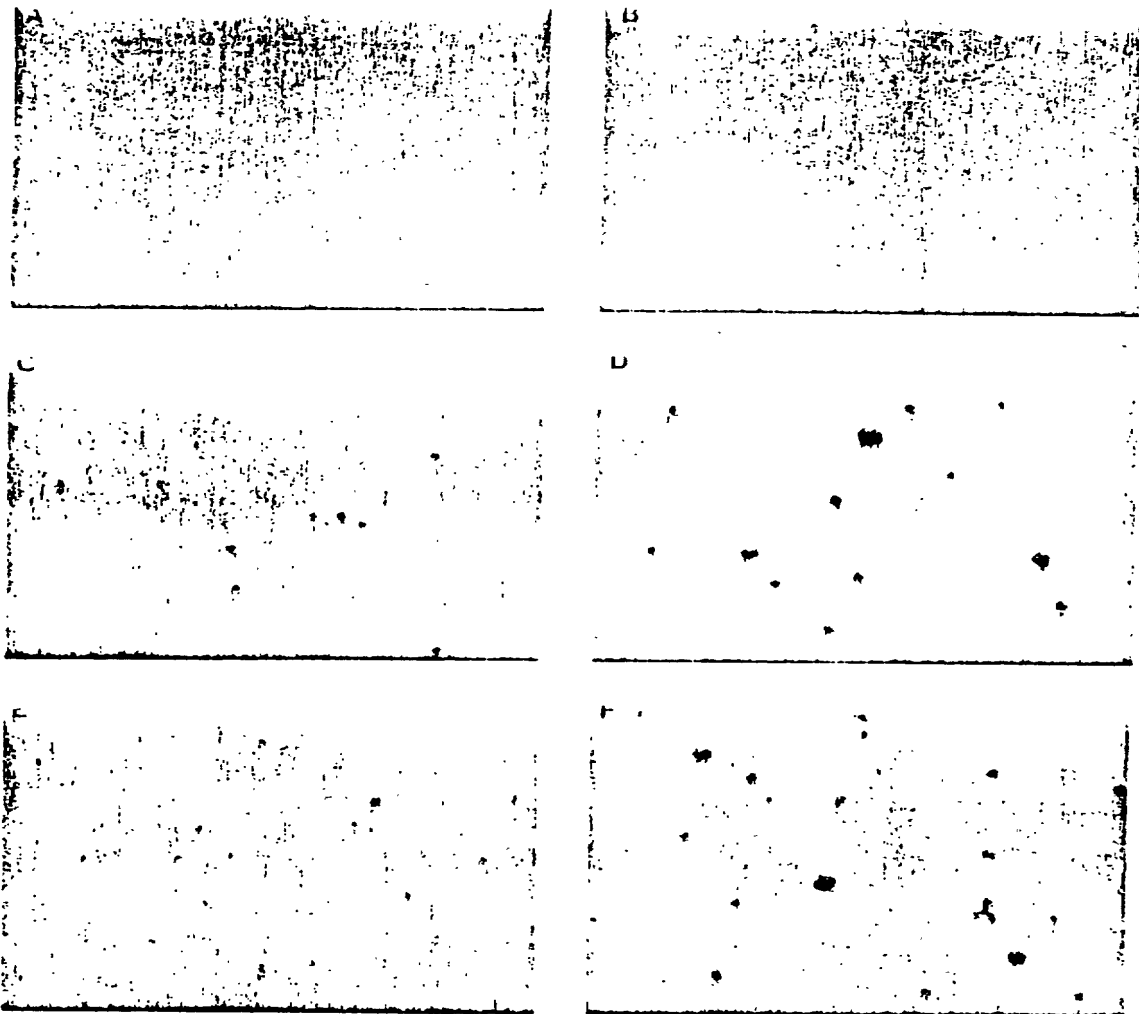


FIG. 7



13 50 6153 505

shot 12